

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

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GENERAL INFORMATION:

Name:	Buffalo Trace Distillery, Incorporated
Address:	1001 Wilkinson Boulevard, Frankfort, Kentucky 40601
Date application received:	April 30, 2003
SIC/Source description:	2085
EIS #:	21-073-00009
Application log number:	55698
Permit number:	V-03-032

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input checked="" type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential Emissions (tpy)
PM/PM ₁₀	32.58/12.11	792.93/288.45
SO ₂	65.77	251.49
NO _x	31.40	495.11
CO	18.13	384.67
VOC	985.97	2301.96
LEAD	1.42e-6	4.98e-5
HAP's	1.42e-6	4.98e-5

SOURCE DESCRIPTION:

Buffalo Trace Distillery, Inc. is proposing renewal of their present Title V/Synthetic Minor permit, which will expire on January 21, 2004 with following modifications.

- 1 Emissions Unit 03 (02-001 and 02-005) Fermentation Process
The current operating permit requires Buffalo Trace to monitor and record gallons of proof gallons produced. However, the Emissions Inventory System (EIS), requires tons of grains produced. According to section 9.12.3, Distilled spirits, of AP-42, the units used to estimate emissions is 1000 bushels of grain input. The permit has been amended to reflect the recordkeeping conditions on this units.
- 2 Emissions Unit 08 (09-001) Indirect Heat Exchanger
Emissions Unit 10 (09-003) Indirect Heat Exchanger
Emissions Unit 14 & 15 (14-001 and 14-002) Two Indirect Heat Exchangers

- a. The primary, secondary and tertiary fuels for emission units 08, 10, 14 & 15 listed in the operating permit are:

Table 1

Emissions Unit	Primary Fuel	Secondary Fuel	Tertiary Fuel
Emissions Unit 08 (09-001) Indirect Heat Exchanger	Waste-oil	Distillate-oil (#2 & #4 fuel oil)	Natural gas
Emissions Unit 10 (09-003) Indirect Heat Exchanger	Waste-oil	Distillate-oil (#2 & #4 fuel oil)	Natural gas
Emissions Unit 14 & 15 (14-001 and 14-002) Two Indirect Heat Exchangers	Natural gas	Distillate-oil	-----

The source requests the following change in the fuel type:

Table 2

Emissions Unit	Primary Fuel	Secondary Fuel	Tertiary Fuel
Emissions Unit 08 (09-001) Indirect Heat Exchanger	Natural gas	Distillate-oil (#2 & #4 fuel oil)	Waste-oil
Emissions Unit 10 (09-003) Indirect Heat Exchanger	Natural gas	Distillate-oil (#2 & #4 fuel oil)	Waste-oil
Emissions Unit 14 & 15 (14-001 and 14-002) Two Indirect Heat Exchangers	Natural gas	Distillate-oil (#2 & #4 fuel oil)	Waste-oil

The permit has been amended to reflect the change in fuel usage for emission units 08, 10, 14 & 15.

- b. 401 KAR 59:015 applies to emission units 08, 10, 14 & 15, and 401 KAR 60:005 incorporating by reference 40 CFR 60, Subpart Dc also applies to emission units 14 & 15.

- c. The source has proposed the use of natural gas as a primary fuel for Emission Units 08, 10, 14 & 15. The source shall conduct a performance test for particulate emissions when combusting fuel oil or waste oil if such usage exceeds 60 days within any consecutive 12 months period.

3 Emissions Unit 09 (09-002) Indirect Heat Exchanger (coal fired)

- a. Performance testing requirement for this emissions unit has been changed from "within one year from the issuance of this permit" to "within the term of this permit".
- b. The frequency of method 9 opacity test has been changed from "once during each daylight shift, weather permitting" to "once per month during the daylight shift".

EMISSION AND OPERATING CAPS DESCRIPTION:

In order to preclude the applicability of 401 KAR 51:017, total source-wide emissions of particulate matter (PM), sulfur dioxide (SO₂), and nitrogen oxide (NO_x) shall not exceed 245 tons each in any consecutive twelve months period.